

RESPONSE UNDER 37 CFR 1.116  
EXPEDITED PROCEDURE  
EXAMINING GROUP 2811  
Docket No.: 1293.1270

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#9/B(106)  
3/31/03  
Schmitz  
4/29/03  
enter  
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TECHNOLOGY CENTER 2800

In re the Application of:

Jeong-kwan LEE, et al.

Serial No. 09/982,086

Group Art Unit: 2811

Confirmation No. 6758

Filed: October 19, 2001

Examiner: Samuel A. Gebremariam

For: MICRO-LENS BUILT-IN VERTICAL CAVITY SURFACE EMITTING LASER

AMENDMENT AFTER FINAL REJECTION

Assistant Commissioner for Patents  
Washington, D.C. 20231

Attention: **BOX AF**

Sir:

This is in response to the Office Action mailed December 23, 2002, and having a period for response set to expire on March 23, 2003.

Reconsideration of the claims is respectfully requested. The following remarks are respectfully submitted.

**IN THE CLAIMS:**

Please REPLACE claims 1, 6, 12, 17, and 23 in accordance with the following:

- sub cl >
- B<sup>1</sup>
- (ONCE AMENDED) A micro-lens built-in vertical cavity surface emitting laser (VCSEL) comprising:
    - a substrate;
    - a lower reflector formed on the substrate;
    - an active layer formed on the lower reflector, generating light by a recombination of electrons and holes;
    - an upper reflector formed on the active layer comprising a lower reflectivity than that of the lower reflector;